

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-151134

(43)Date of publication of application : 13.06.1989

(51)Int.Cl.

H01J 29/76
H01J 9/236

(21)Application number : 62-307608

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(22)Date of filing : 07.12.1987

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(54) DEFLECTING DEVICE AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To reduce the heating even by the operation with the high horizontal deflection frequency and improve the winding precision by bundling in parallel multiple conductor fine wires having the first deposition layer made of thermoplastic insulating material and the second deposition layer made of thermoplastic insulating material with a lower melting point to constitute the conductor wire of an deflecting coil.

CONSTITUTION: Multiple fine wires 2 are merely bundled without being twisted, they are heated so that only the second deposition layer 5b made of the fine wires 2 with a lower melting point is melted. They are then cooled, the fine wires 2 are temporarily fixed together to form a unit conductor wire. This unit conductor wire 1 is wound on a deflecting coil former and molded. In this case, it is precisely wound without being untangled because the fine wires 2 are temporarily fixed together. Each unit conductor wire 1 can be wound at high density because the fine wires 2 are twisted together. After the unit conductor wire 1 is wound and molded, the first deposition layer 5a is heated and melted and cooled, thereby the unit conductor wire 1 is fixed together to form a deflecting coil.

